

Title (en)
PRODUCT AGGREGATING APPARATUS

Title (de)
VORRICHTUNG ZUR ANHÄUFUNG EINES PRODUKTS

Title (fr)
APPAREIL D'AGRÉGATION DE PRODUIT

Publication
EP 2406140 A4 20170315 (EN)

Application
EP 10751360 A 20100310

Priority
• US 2010026837 W 20100310
• US 42192509 A 20090410
• US 15964209 P 20090312

Abstract (en)
[origin: WO2010104958A2] A product aggregating apparatus receives product with an in-feed conveyor assembly and provides the product in an aggregated, registered and/or organized form, such as to a product picking apparatus. The in-feed conveyor assembly includes at least one in-feed conveyor, each in-feed conveyor configured to deliver product to first and second locations. A product receiver assembly includes at least first and second product receiver carriages to receive product at the first and second locations, respectively. An aggregated product receiver assembly comprises a carriage configured for vertical movement to positions adjacent to each product receiver carriage. A pusher assembly, comprising a pusher carriage configured for vertical movement to positions adjacent to each product receiver carriage, contains pushers horizontally moveable to push product from the adjacent product receiver carriage and onto the carriage of the aggregated product receiver assembly for picking by an appropriate apparatus.

IPC 8 full level
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CPC (source: EP US)
B65G 47/082 (2013.01 - EP US); **B65G 47/5109** (2013.01 - EP US)

Citation (search report)
• [XAI] WO 2008095861 A1 20080814 - CT PACK SRL [IT], et al
• [X] DE 19506196 A1 19950831 - SIG SCHWEIZ INDUSTRIEGES [CH]
• [A] EP 1422172 A1 20040526 - RESTA SRL [IT]
• See references of WO 2010104958A2

Cited by
CN113716112A; CN113716122A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010104958 A2 20100916; WO 2010104958 A3 20110106; EP 2406140 A2 20120118; EP 2406140 A4 20170315;
MX 2011009169 A 20111216; US 2010232924 A1 20100916; US 8157080 B2 20120417

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